

Title (en)

Precision positioning apparatus.

Title (de)

Gerät zur genauen Positionierung.

Title (fr)

Appareil de positionnement de précision.

Publication

EP 0559397 A2 19930908 (EN)

Application

EP 93301484 A 19930226

Priority

- JP 2598093 A 19930122
- JP 7875692 A 19920302

Abstract (en)

This invention relates to a precision positioning apparatus, and particularly to a precision positioning apparatus suitable for the positioning control system of a semiconductor exposing apparatus such as a stepper, and has as its object the provision of a non-contact type precision positioning apparatus capable of properly correcting the disturbance of posture or vibration based on low rigidity which is a feature of a non-contact guide mechanism and accomplishing stable, highly accurate positioning at a high speed. The precision positioning apparatus of the present invention is provided with a base body, a movable member positioned on the base plate, driving means for driving the movable member, detecting means for detecting the moved state of the movable member, and means for supplying the driving means with a signal regarding the movement of the movable member on the basis of a reference value and the output value from the detecting means, and the supplying means is provided with means for forming a correction signal for substantially negating a disturbance force to the movable member, by the use of the signal supplied to the driving means and the output from the detecting means. The signal supplied to the driving means can be corrected by the correction signal. <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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